

WHAT IS CLAIMED IS:

5 1. A method for mounting a grill to one of a first motor assembly and a second larger motor assembly with a mounting system, the mounting system including a plurality of fasteners, the first motor including an endshield including a plurality of attachment points and a plurality of openings, the attachment points for attaching the endshield to the first motor assembly, the openings for attaching the first motor assembly to the grill, said method comprising the steps of:

attaching the first motor endshield to the motor assembly using the plurality of attachment points; and

10 attaching the grill to one of the first motor assembly and the second motor assembly using the plurality of openings.

2. A method in accordance with Claim 1 wherein the first motor endshield further comprises a plurality of bosses, the plurality of openings disposed within the plurality of bosses, said step of attaching the grill further comprising the step of inserting the plurality of fasteners through the first motor bosses.

15 3. A method in accordance with Claim 2 wherein the first motor endshield attachment points include a plurality of second openings disposed within the endshield, said method further comprising the step of simultaneously forming threads within the plurality of first motor first openings with the plurality of fasteners while attaching the grill to the first motor assembly.

20 4. A method in accordance with Claim 1 wherein the first motor endshield further comprises a plurality of self-clinching nuts, the self-clinching nuts disposed within the plurality of openings, said step of attaching the grill further comprising the step of inserting the plurality of fasteners through the grill into the first motor endshield self-clinching nuts.

25 5. An endshield for a first motor assembly configured to attach to a grill, the grill configured to attach to one of a first motor assembly and a second larger motor assembly, said endshield comprising:

a plurality of attachment points for attaching said endshield to the first motor assembly; and

a plurality of openings for attaching said endshield to the grill.

6. An endshield in accordance with Claim 5 wherein said plurality of attachment points are disposed at a first diameter, said plurality of openings disposed at a second diameter.

5 7. An endshield in accordance with Claim 6 wherein said first diameter larger than said second diameter.

8. An endshield in accordance with Claim 7 further comprising a plurality of bosses, said plurality of openings disposed within said bosses.

10 9. An endshield in accordance with Claim 7 further comprising a plurality of self-clinching nuts.

10. An endshield in accordance with Claim 9 wherein said plurality of self-clinching nuts are disposed within said plurality of openings

11. A motor assembly comprising:

15 a grill configured to attach to one of a first motor assembly and a second larger motor assembly; and

a first motor comprising an endshield comprising a plurality of attachment points and a plurality of openings, said attachment points configured to attach said endshield to said first motor assembly, said openings configured to attach said first motor endshield to said grill.

20 12. A motor assembly in accordance with Claim 11 wherein said first motor endshield openings are sized to receive a plurality of fasteners for connecting said first motor to said grill.

25 13. A motor assembly in accordance with Claim 12 wherein said first motor endshield attachment points disposed at a first diameter, said first motor endshield openings disposed at a second diameter.

14. A motor assembly in accordance with Claim 13 wherein said first diameter smaller than said second diameter.

15. A motor assembly in accordance with Claim 14 wherein said first motor endshield further comprises a plurality of bosses.

16. A motor assembly in accordance with Claim 15 wherein said first motor endshield openings disposed within said first motor endshield bosses.

5 17. A motor assembly in accordance with Claim 16 wherein said first motor endshield further comprises a plurality of self-clinching nuts.

18. A motor assembly in accordance with Claim 17 wherein said first motor endshield self-clinching nuts disposed within said motor endshield openings.